

Notice of Allowability

Application No.

10/670,197

Applicant(s)

UEHARA ET AL.

Examiner

Art Unit

Kidest Bahta

2125

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 69/26/2003.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☒ The drawings filed on 26 September 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 9/26/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mrs. Adrian on November 4, 2004.

The application has been amended as follows:

Claim 1, line 2, change "the bed" to --a bed--;

Claim 1, line 3, change "a workpiece" to --the workpiece--;

Claim 1, line 7, change " the mounting" to --a mounting--;

Claim 1, line 8, change "this tool rest" to --said turning tool rest--;

Claim 1, lines 12, change "the turning motion " to --a turning motion--;

Claim 1, lines 17, change "a turning motion " to --the turning motion--;

Claim 3, line 2, change the "machining of helical grooves" to --a machining of helical grooves--;

Claim 3, line 2, change "a rotational" to --the rotational--;

Claim 4, line 2, change "can be mounted on" to --capable of mounting--;

Claim 5, line 2, change "can be mounted on" to --capable of mounting--;

Claim 6, line 2, change "a tool" to --said tool--;

Claim 7, line 2, change "can be mounted on" to --capable of mounting--;

Claim 12, line 2, change "the bed" to --a bed--;

Claim 12, line 3, change "a workpiece" to --the workpiece--;

Claim 12, line 7, change " the mounting" to --a mounting--;

Claim 12, line 8, change "this tool rest" to --said turning tool rest--;

Claim 12, line 12, change "the center position" to --a center position--;

Claim 12, line 12, change "the turning motion" to --a turning motion--;

Claim 12, line 14, change "the circular-arc motion" to --a circular-arc motion--;

Claim 12, line 17, change "a turning motion" to --said turning motion--;

Claim 15, line 2, change "a turning motion" to --said turning motion--;

Claim 15, line 3, change "a circular-arc motion" to --said circular-arc motion--;

Please delete the first paragraph (line 1 to line 5) of the abstract.

Allowable Subject Matter

2. Claims 1-15 are allowed.

The following is an examiner's statement of reasons for allowance:

The allowability of the independent claim 1 resides, at least in part, in that closest prior art of record, Gadaud et al. (U. S. Patent 5,052,089) does not disclose or suggest, alone or in combination, a control means can cause the turning motion of a turning tool rest about an arbitrary position that differs from a position of a turning axis by concurrently and synchronously causing the turning motion of the turning tool rest about the turning axis, and a circular-arc motion based on the relative motion of the tool rest main body in a first and second linear direction, in combination with the other elements and features of the claimed invention.

The allowablility of the independent claim 12 resides, at least in part, in that closest prior art of record, Gadaud et al. (U. S. Patent 5,052,089) does not disclose or suggest, alone or in combination, performing the machining of a workpiece by causing a turning tool rest to perform a turning motion about a turning axis, causing a tool rest main body to perform a circular-arc motion concurrently and synchronously with the turning motion of the turning tool rest, and causing the tool to perform the turning motion about the center position, in combination with the other elements and features of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure
4. Any inquiry concerning communication or earlier communication from the examiner should be directed to Kidest Bahta, whose telephone number is (571) 272-3737. The examiner can normally be reached on M-F from 7:30 a.m. to 4:00 p.m. EST If attempts to reach the examiner by phone fail, the examiner's supervisor, Leo Picard, can be reached (517) 272-3749. Additionally, the fax phone for Art Unit 2125 is (703) 872-

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9306. Any inquiry of a general nature or relating to the status of this application should be directed to the group receptionist at (703) 305-9600.

Kidest Bahta

A handwritten signature in black ink, appearing to read 'Kidest Bahta', with a stylized, cursive script.

November 5, 2004